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Figure 16

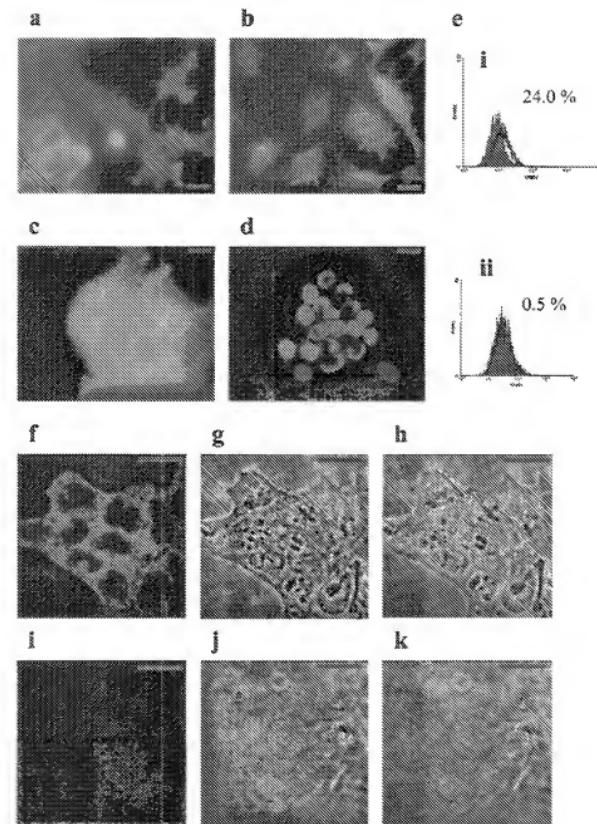
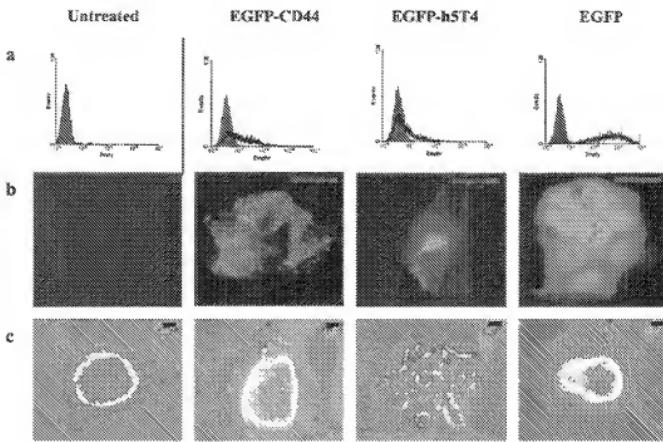
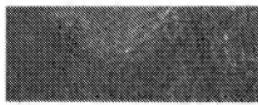


Figure 17





Undifferentiated ES colony (x400)
showing edge and feeders



Differentiation of neural cells at the
edge of the colony (x400)

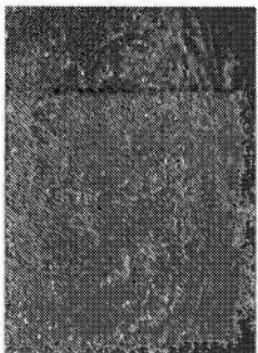


Figure 24: Dual ST4/Oct-4 staining of hES colony on pefs with a few areas of loss of Oct4 and concomitant upregulation of ST4

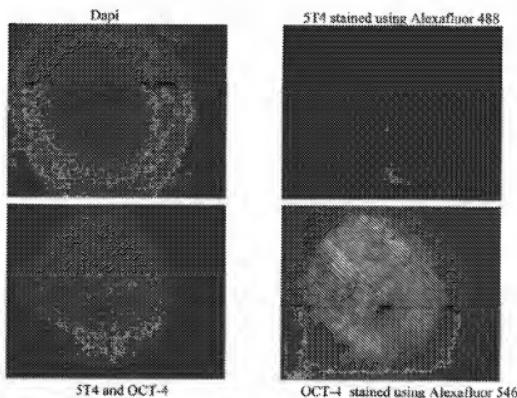
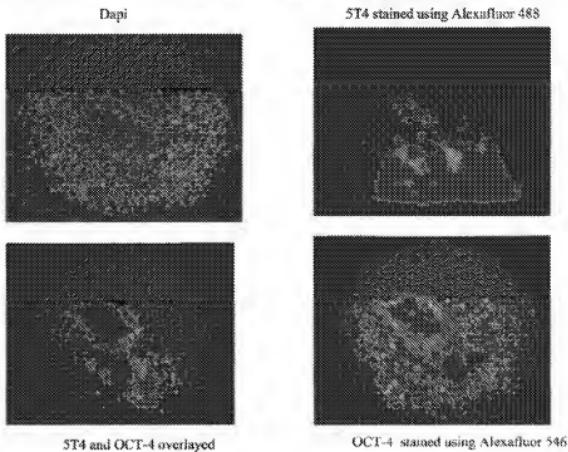
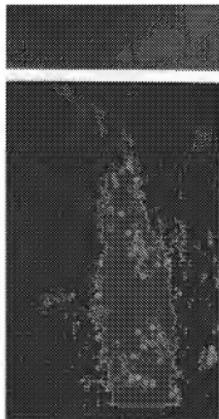
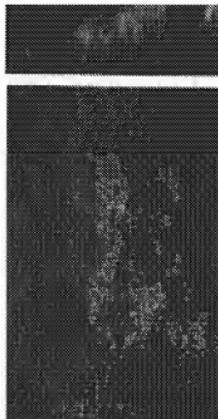


Figure 25: Dual ST4/Oct-4 staining of hES colony with several areas of loss of Oct4 and concomitant upregulation of ST4





ST4 and OCT-4



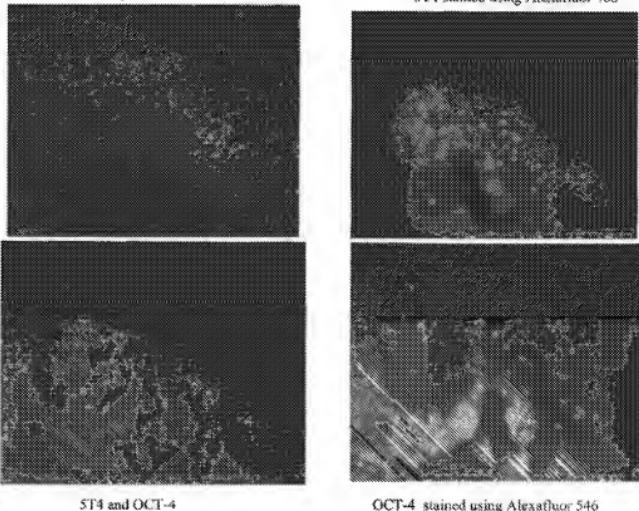
OCT-4 stained using Alexafluor 546

Figure 27

Dual ST4/Oct-4 staining of hES colony showing more extensive ST4 expression which is mutually exclusive with OCT-4

Dapi

ST4 stained using Alexafluor 488



ST4 and OCT-4

OCT-4 stained using Alexafluor 546